

Sound^{BLASTER}

User's Guide



 **Wireless Music**

User's Guide

Creative Sound Blaster Wireless Music

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Introduction

Thank you for choosing Creative Sound Blaster® Wireless Music.

With Sound Blaster Wireless Music, you can wirelessly stream digital music from your computer to a standalone speaker system or a home stereo system.

Sound Blaster Wireless Music is made up of a Receiver, an RF Remote, and software applications that will help you build and manage your digital music collection.

To get started, follow the installation steps in the **Getting Started** chapter, and review the rest of this User's Guide for information on using Sound Blaster Wireless Music.

Package Contents



Receiver



Installation CD



RF Remote



Stand



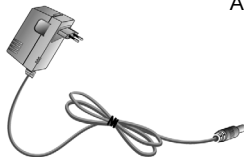
RCA-to-miniplug cable



AA batteries



USB cable



Power adapter

Minimum System Requirements

- Microsoft® Windows® XP, Windows Millennium Edition (Me), Windows 2000 or Windows 98 Second Edition (SE)
- Intel® Pentium® II 350 MHz or equivalent
- 128 MB RAM
- 100 MB of free hard disk space (more space is required for storing music files)
- CD-ROM/DVD-ROM drive for software installation
- Available USB port for installation and configuration
- Network interface to an IEEE 802.11b or 802.11g compatible wireless network with a wireless router or access point. Network interface can be a built-in, PCI, USB or PCMCIA interface that supports 10/100 BaseT (Cat-5), 802.11b or 802.11g networks.

Model Number, Serial Number and MAC Address

You will find a model number, a serial number and a MAC address on your Receiver.

You will need to provide model and serial numbers when contacting Technical Support, and you will need the MAC address if you have enabled the MAC address security feature on your wireless network. Refer to the User's Guide of your wireless router or access point to learn how to use the MAC address security feature.

More Help

Visit **www.soundblaster.com** for the latest Sound Blaster news and products. The site also includes information on making purchases, technical help, and the latest driver and firmware updates.

Product Registration

Enjoy a host of benefits by registering your product during installation, or at **www.creative.com/register**. Benefits include:

- Service and product support from Creative
- Exclusive updates on promotions and events

Regulatory Information

Regulatory information can be found on the Installation CD.

Go to **d:\fcc\<language>\doc.pdf**

(replace **d:** with the drive letter of your CD-ROM/DVD-ROM drive and **<language>** with the language that the document is in)

Technical Support and Warranty

Creative Knowledgebase

Resolve and troubleshoot technical queries at Creative's 24-hour self-help Knowledgebase. Go to **www.creative.com** and select your region.

Technical Support information can be found on the Installation CD.

Go to **d:\support\<language>\support.pdf**

Warranty information can be found on the Installation CD as well.

Go to **d:\warranty\<region>\<language>\warranty.pdf**

(replace **d:** with the drive letter of your CD-ROM/DVD-ROM drive, **<region>** with the geographical region you are in, and **<language>** with the language that the document is in)

Please keep your Proof of Purchase for the duration of the Warranty period.

Getting Started

DO NOT connect your Receiver to your computer until you have installed the software.

Step 1: Install Software

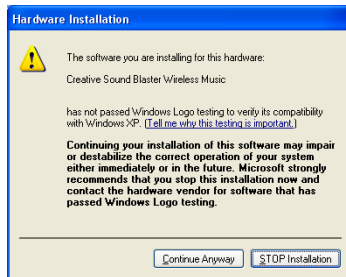
1. Turn on your computer and make sure your wireless router or access point is set up and working properly.



- If your wireless router or access point can be configured as a DHCP server, enable this feature. This makes it easier to add other devices to your wireless network.
- If you are setting up multiple Receivers, make sure you set them up one at a time.

2. Insert the Installation CD into your CD-ROM/DVD-ROM drive.
The disc supports Windows Autoplay mode and starts running automatically. If not, you need to enable the Windows auto-insert notification feature for your CD-ROM/DVD-ROM drive. For more information, see "Installation and Configuration" on page 41.

3. **For Windows XP only:** When the Hardware Installation error message appears, click the **Continue Anyway** button



For more information about this message, see "Why does a Hardware Installation error message appear on a Windows XP operating system during installation?" on page 42.

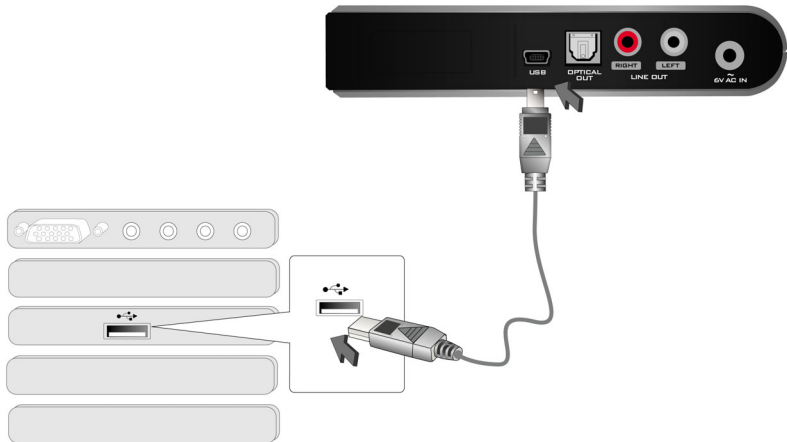
4. Follow the onscreen instructions to complete the installation, and restart your computer when you are prompted to do so.

Step 2: Configure Hardware

If there are multiple wireless networks operating in the vicinity, or your wireless network is WEP encrypted, you will need to configure your hardware.

If not, you can skip the following instructions and proceed to "Step 3: Add Tracks to PC Music Library" on page 13.

1. When your computer restarts, connect your Receiver to your computer's USB port using the supplied USB cable.



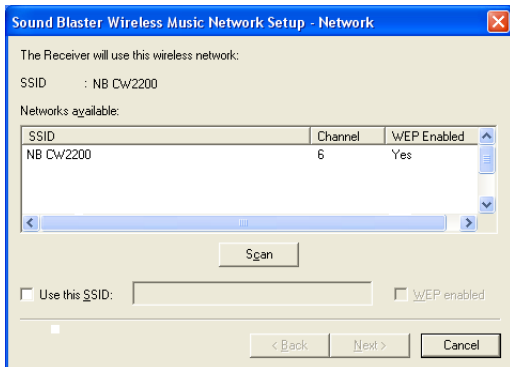
2. Connect your Receiver to a power outlet using the supplied power adapter, and turn on the power outlet if necessary.



3. Click **Start** -> **Programs** or **All Programs** -> **Creative** -> **Sound Blaster Wireless Music** -> **Network Setup**.

4. In the **Sound Blaster Wireless Music Network Setup — Network** dialog box, click a network from the list of available networks, and click the **Next** button.

If your network is not listed, click the **Scan** button to refresh the list of available networks, or click to select the **Use this SSID** check box and type in the SSID of the network you want to connect to.



5. If your network is WEP encrypted, type in the encryption information in the **Sound Blaster Wireless Music Network Setup — Encryption** dialog box, and click the **Next** button. Refer to the User's Guide of your wireless router or access point to learn how to check your network's encryption information.

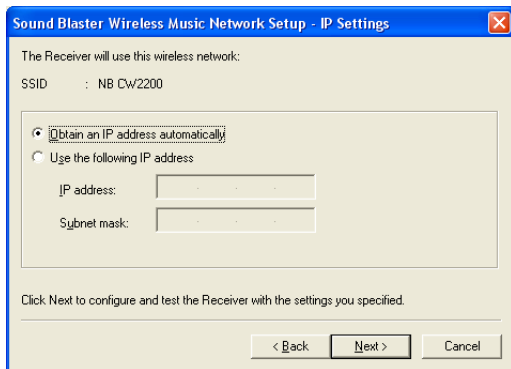


The screenshot shows a Windows-style dialog box titled "Sound Blaster Wireless Music Network Setup - Encryption". The main text inside says "The Receiver will use this wireless network:". Below this, it displays "SSID : NB CW2200". There is a large rectangular area for entering encryption details, containing four fields: "Network key:" with an empty text box, "Key format:" with a dropdown menu showing "Hexadecimal digits", "Key length:" with a dropdown menu showing "40/64 bits (10 digits)", and "Key index:" with a dropdown menu showing "1". At the bottom right of the dialog are three buttons: "< Back", "Next >", and "Cancel".



If your network is WEP enabled, make sure it is in **Open** mode. **Share Key** mode is *not* supported by Sound Blaster Wireless Music.

6. In the **Sound Blaster Wireless Music Network Setup — IP Settings** dialog box, click the **Obtain an IP address automatically** option. If you prefer to use a static IP address for your Receiver, click the **Use the following IP address** option and type in values that match those of your wireless network.



For more information on using a static IP address for you Receiver, see "How do I use a static IP for my Receiver?" on page 44.

7. Click the **Next** button.
8. Click the **OK** button. If your settings are incompatible with those of your network, Wireless Music Network Setup will return to the first setup page so that you can select the correct settings.
9. Follow the onscreen instructions, and disconnect your Receiver when you are prompted to do so.

Step 3: Add Tracks to PC Music Library

1. Creative MediaSource Player/Organizer should automatically launch when your computer restarts after installation. To manually launch Creative MediaSource Player/Organizer, click **Start -> Programs** or **All Programs -> Creative -> Creative MediaSource Player/Organizer**.
2. If you are not already in Creative MediaSource Organizer, click the **Player/Organizer View** button.
3. On the **Task bar**, click the **Import** button, and select **Import Tracks**. The **Import Wizard** dialog box appears.
4. In the **My Computer:** panel, locate the "ripped" or downloaded music files that you want to add to the PC Music Library.
5. Click a folder to display the tracks in it. The list of tracks is displayed in the panel beneath the **My Computer:** panel.
6. To add a track, select it from the panel beneath the **My Computer:** panel and click the **Add File->** button.
7. To add a folder, select it from the **My Computer:** panel and click the **Add Folder ->** button.
A list of tracks is displayed in the **Files to be imported** panel.
8. Click the **Continue** button.
9. Follow the onscreen instructions to finish adding tracks to the PC Music Library.



For information on "ripping" and downloading music files, see "About Music Files" on page 39.

Step 4: Set up Receiver

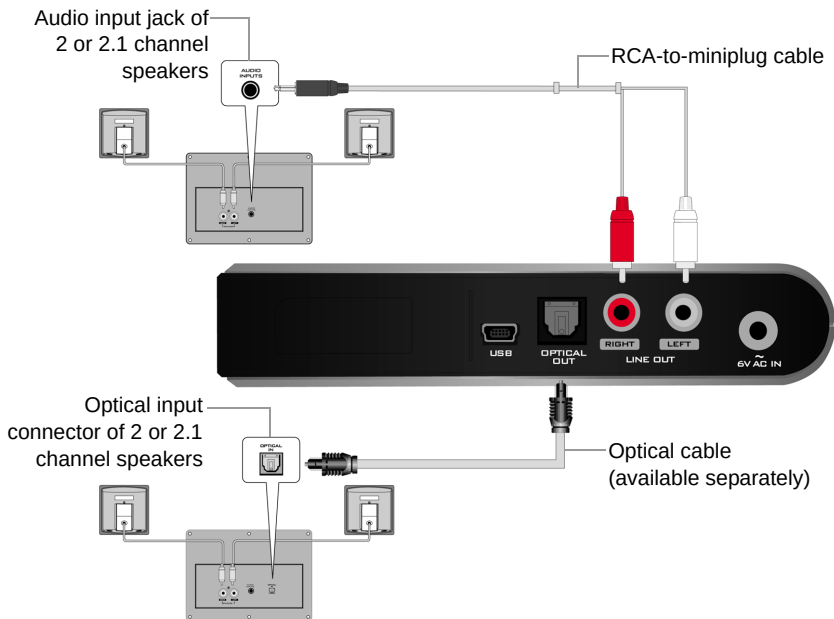
1. Decide where you would like to place your Receiver. For optimum performance, make sure your Receiver is placed on a flat surface that is at least 50 cm (20 inches) from the floor, and where there is minimum obstruction between your Receiver and your wireless router or access point.
2. Attach the stand to the Receiver (optional).



3. Connect your Receiver to speakers or a home stereo system (both available separately) as shown in the diagrams below.

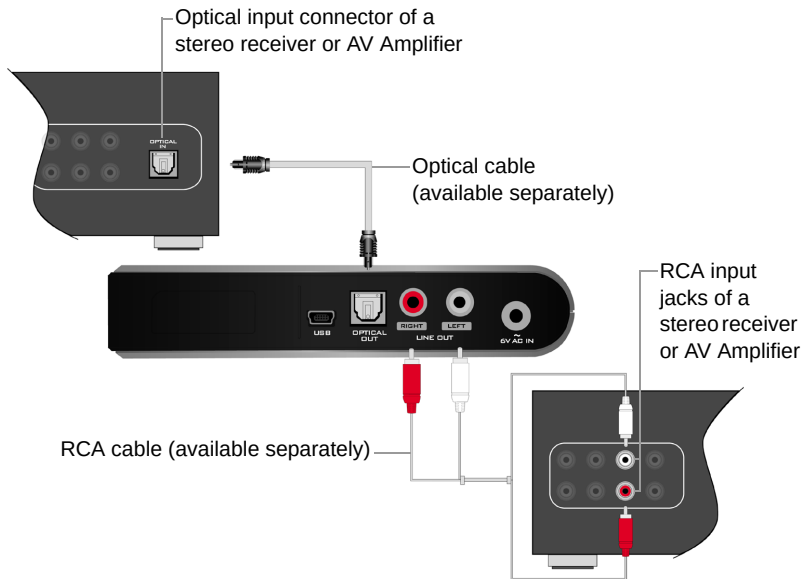
Connecting to speakers

You can connect speakers to *either* the **LINE OUT** jacks or the **OPTICAL OUT** connector of your Receiver.



Connecting to a home stereo system

You can connect a home stereo system to *either* the **LINE OUT** jacks or the **OPTICAL OUT** connector of your Receiver.



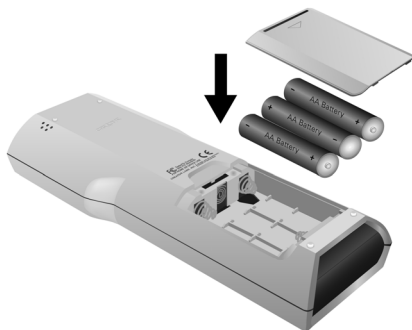
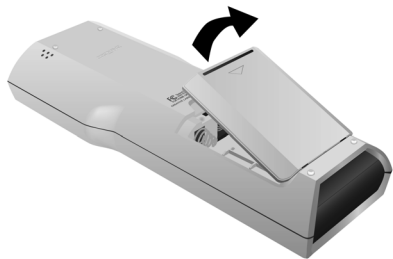
- On your home stereo system, connect the RCA cable to either the CD inputs or the auxiliary inputs (or other inputs if these are unavailable).
- When you turn on your home stereo system, make sure the stereo receiver or AV Amplifier is in the correct input mode. For example, make sure you select auxiliary mode if your Receiver is connected to the auxiliary inputs.

4. Connect your Receiver to a power outlet using the supplied power adapter, and turn on the power outlet if necessary.



Step 5: Play Music

1. Insert three AA batteries into the RF Remote.



Make sure your RF Remote is no more than 10 meters (33 feet) from your Receiver when you set up and use your RF Remote.

2. Press the **Power** button on your RF Remote.
Your RF Remote is automatically assigned to your Receiver if you have only one Receiver installed on your wireless network. If not, you will need to manually assign the RF Remote to the Receiver that you are installing. For more information, see "Using Multiple Receivers" on page 27.
3. When the main menu appears on the LCD, press the **LIBRARY** button.
4. Use the **Navigation** buttons to scroll to an option and press the **Play** button.
5. Press the **Volume** buttons on your RF Remote to increase or decrease the volume.



For more information about using the RF Remote, see "Using Your RF Remote" on page 27.

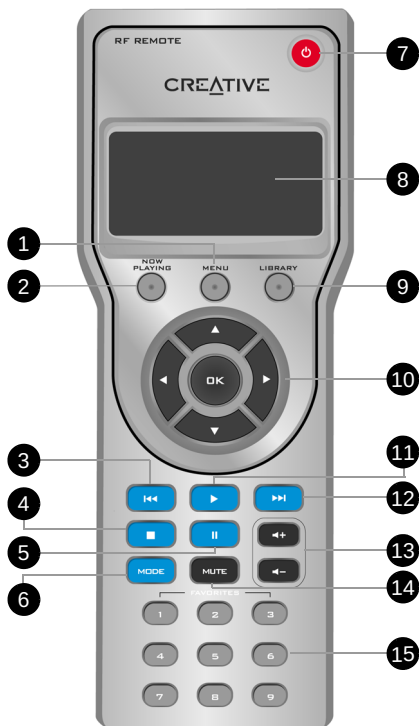
Overview

Receiver



1	FIND REMOTE button	○ Activates a beeping sound from the RF Remote. Press this button if you need to locate your RF Remote. ○ Assigns an RF Remote to a Receiver. This lets you use one RF Remote with different Receivers. See "Using Multiple Receivers" on page 27 for more information.
2	Light Emitting Diode (LED)	○ Left (or top) LED lights up green when your Receiver is turned on, and lights up red when on standby. ○ Right (or bottom) LED lights up green when your Receiver is connected to Wireless Music Media Server, flashes green when trying to connect to the Wireless Music Media Server, flashes amber when trying to connect to a network, and flashes red when it is resetting.
3	USB port	○ Connects to your computer's USB port using the supplied USB cable
4	OPTICAL OUT connector	○ Connects to the optical input of speakers or a home stereo system (both available separately)
5	LINE OUT jacks	○ Connects to the input jacks of speakers or a home stereo system (both available separately)
6	6V AC IN connector	○ Connects to a power outlet using the supplied power adapter

RF Remote



1	MENU button	○ Displays the main menu on the LCD
2	NOW PLAYING button	○ Displays the track details of the track currently being playing. If nothing is playing, or the NOW PLAYING button is pressed a second time, the Now Playing List is displayed.
3	Previous button	○ Press to go to the previous track ○ If more than 10 seconds of a track has been played, pressing this button will skip to the beginning of the current track
4	Stop button	○ Press to stop playback ○ Press and hold to delete all tracks in the Now Playing List
5	Pause button	○ Pauses and resumes playback
6	MODE button	○ Switches between Normal , Shuffle  , Repeat All  and Shuffle/Repeat All   play modes ○ Assigns an RF Remote to a Receiver. This lets you use one RF Remote with different Receivers. See "Using Multiple Receivers" on page 27 for more information.
7	Power button	○ Turns on your Receiver or sets it to standby
8	Liquid Crystal Display (LCD)	○ Lets you view the MP3 and WMA files in the PC Music Library
9	LIBRARY button	○ Displays the PC Music Library menu on the LCD

10

Navigation buttons

- Press the **Up** ▲ and **Down** ▼ buttons to scroll through menu options
- Press the **Right** ► button or **OK** button to select a highlighted menu option, or show a list of additional options for the highlighted menu option
- Press the **Left** ◀ button to return to the previous menu

11

Play button

- Press to start playback. This clears the Now Playing List and plays the highlighted menu option.
- Press and hold to add a highlighted menu option to the Now Playing List

12

Next button

- Press to go to the next track

13

Volume buttons

- Increases or decreases playback volume

14

MUTE button

- Mutes the volume.  appears on the LCD when the volume is muted.

15

FAVORITES buttons

- Play back favorite playlists that you have assigned to these buttons. You can use Wireless Music Console to assign favorite playlists. For more information, see "Assigning Favorite Playlists" on page 38.
-

Software Applications

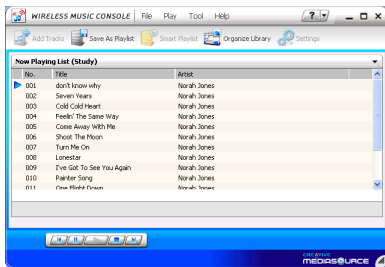
The following software applications are integral parts of Sound Blaster Wireless Music. They are installed on your computer when you install the software.

Wireless Music Media Server

Wireless Music Media Server lets your computer communicate with your Receiver, and makes it possible for Sound Blaster Wireless Music to access your computer's digital music collection. By default, Wireless Music Media Server is automatically launched whenever you turn on your computer. You will see the **Wireless Music Media Server**  icon on your computer's Taskbar when Wireless Music Media Server is running.

Wireless Music Console

Wireless Music Console, on the other hand, lets you configure the settings of your Receiver. For example, launch Wireless Music Console when you want to create smart playlists or assign favorite playlists.

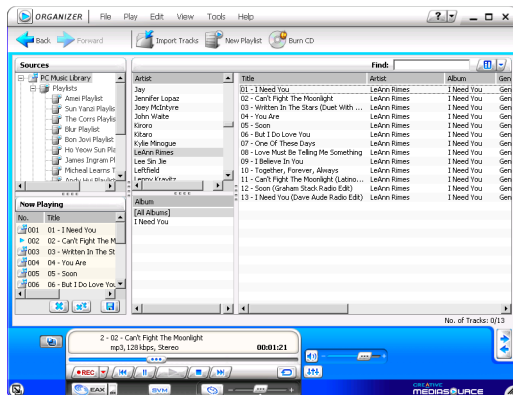


Wireless Music Network Setup

Wireless Music Network Setup lets you set up the network connection between your Receiver and your wireless network.

Creative MediaSource

Creative MediaSource is your digital music center for playing, creating, organizing and transferring digital music.



Using Your RF Remote

Selecting Menu Options

You can use the Navigation buttons to scroll and select menu options. For example, if you are in the Now Playing List menu:

1. Press the **Up ▲** and **Down ▼** buttons to scroll up and down the menu.
2. Press the **Right ►** button or **OK** button to select a highlighted menu option, or show a list of additional options for the highlighted menu option.
3. Press the **Left ◀** button to return to the previous menu.



Using Multiple Receivers

You can use up to four Receivers on a wireless network. If you are using multiple Receivers, you can use one RF Remote to control all the Receivers. Your RF Remote, however, can only control one Receiver at a time. To select the Receiver that your RF Remote controls, you need to assign the RF Remote to the Receiver that you want to control.

To assign an RF Remote to a Receiver

1. Press and hold the **MODE** button on the RF Remote until the LED on the Receiver starts flashing. This may take about 5 seconds.

2. Press the **FIND REMOTE** button on the Receiver.
The LCD of your RF Remote displays the name of the Receiver it is assigned to.



Make sure your RF Remote is no more than 10 meters (33 feet) from your Receiver when you are assigning it.

Playing Music

Playing a smart playlist

A smart playlist automatically generates playlists from the PC Music Library based on your preferences. A different playlist is created each time a smart playlist is selected. Several smart playlists are pre-installed for you to use immediately.

1. Press the **LIBRARY** button.
2. Scroll to the **Smart Playlist** option and press the **Right ►** button or **OK** button.
3. Scroll to a smart playlist and press the **Play** button to start playback, or press and hold the **Play** button to add the tracks in the selected smart playlist to the Now Playing List.
To view the tracks listed under the highlighted smart playlist, press the **Right ►** button or **OK** button.



For information on creating smart playlists, see "Creating Smart Playlists" on page 37.

Playing a favorite playlist

Favorite playlists are playlists that are assigned to the **FAVORITES** buttons on your RF Remote.

Press a **FAVORITES** button to play back the assigned playlist. The first three **FAVORITES** buttons are preset with smart playlists for your convenience.

Alternatively, you can select favorite playlists from the Favorite Playlists menu.

To play a favorite playlist from the Favorite Playlists menu

1. Press the **MENU** button.
2. Scroll to the **Favorite Playlists** option and press the **Right ►** button or **OK** button.
3. Scroll to a favorite playlist and press the **Play** button to start playback, or press and hold the **Play** button to add the tracks in the selected favorite playlist to the Now Playing List.

To view the tracks listed under the highlighted favorite playlist, press the **Right ►** button or **OK** button.



For information on assigning playlists to the **FAVORITES** buttons, see "Assigning Favorite Playlists" on page 38.

Playing a playlist

1. Press the **LIBRARY** button.
2. Scroll to the **Playlist** option and press the **Right ►** button or **OK** button.
3. Scroll to a playlist and press the **Play** button to start playback, or press and hold the **Play** button to add the tracks in the selected playlist to the Now Playing List.
To view the tracks listed under the highlighted playlist, press the **Right ►** button or **OK** button.

Playing tracks in the Now Playing List

1. Press the **NOW PLAYING** button.
2. Press the **Play** button.
3. If the Now Playing List is empty, the favorite playlist assigned to the first **FAVORITES** button plays by default.

Playing tracks from an artist

1. Press the **LIBRARY** button.
2. Scroll to the **Artist** option and press the **Right ►** button or **OK** button.
3. Scroll to the first letter of the artist name you want and press the **Right ►** button or **OK** button. If the artist name starts with a number or punctuation mark, scroll to **0-9** and press the **Right ►** button or **OK** button.
4. Scroll to an artist and press the **Play** button to start playback, or press and hold the **Play** button to add all tracks from the selected artist to the Now Playing List.
To view the albums listed under the highlighted artist, press the **Right ►** button or **OK** button.

Playing tracks from an album

1. Press the **LIBRARY** button.
2. Scroll to the **Album** option and press the **Right ►** button or **OK** button.
3. Scroll to the first letter of the album name you want and press the **Right ►** button or **OK** button. If the album name starts with a number or punctuation mark, scroll to **0-9** and press the **Right ►** button or **OK** button.
4. Scroll to an album and press the **Play** button to start playback, or press and hold the **Play** button to add the tracks from the selected album to the Now Playing List.

To view the tracks listed under the highlighted album, press the **Right ►** button or **OK** button.

Playing tracks from a genre

1. Press the **LIBRARY** button.
2. Scroll to the **Genre** option and press the **Right ►** button or **OK** button.
3. Scroll to a genre and press the **Play** button to start playback, or press and hold the **Play** button to add the tracks from the selected genre to the Now Playing List.

To view the artists listed under the highlighted genre, press the **Right ►** button or **OK** button.

Viewing the Now Playing List

Press the **NOW PLAYING** button to view the Now Playing List. You can view the Now Playing List at anytime. If a track is being played back the following information is displayed:

- artist and album name
- title of the track
- elapsed time
- order number of current track and total number of tracks in the Now Playing List

Setting Play Modes

Press the **MODE** button to switch between the following play modes:

- **Normal**
Resumes playing tracks in sequence.
- **Shuffle** 
Plays all tracks in the Now Playing List in random order.
- **Repeat All** 
Repeats all tracks in the Now Playing List.
- **Shuffle/Repeat All**  
Plays and repeats a random track in the Now Playing List.

Viewing Configuration Information

The System menu lets you view the following information:

- Receiver name
- Receiver MAC address
- Receiver IP address
- Receiver firmware version
- RF Remote firmware version
- number of tracks in the PC Music Library

To display the System menu

1. Press the **MENU** button.
2. Scroll to the **System** option and press the **Right ►** button or **OK** button.



You can also reset your Receiver from the System menu. For more information, see "How do I reset my Receiver?" on page 48.

Checking Battery Status

The LCD may display one of the following icons to indicate the battery status:



☐ Batteries are full



☐ Batteries are 60% full



☐ Batteries are 30% full



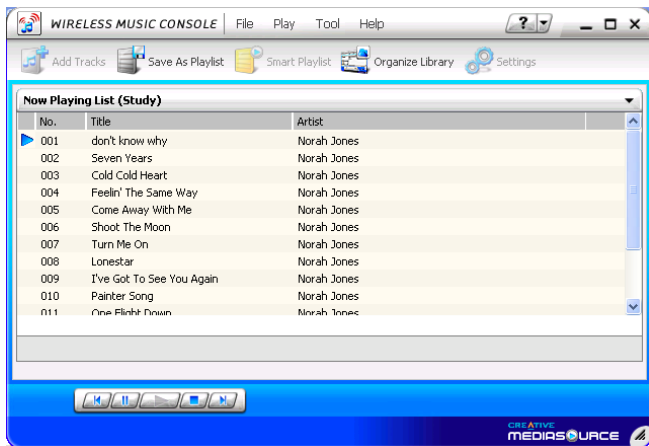
☐ Replace your batteries as soon as you can

Configuring Settings

You can configure settings using Wireless Music Console.

To launch Wireless Music Console

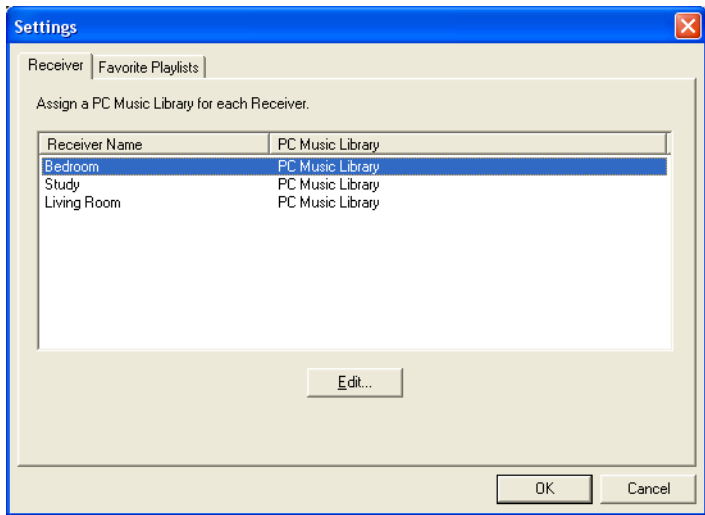
- ▶ Click **Start -> Programs or All Programs -> Creative -> Sound Blaster Wireless Music -> Console.**



For more information about using Wireless Music Console, refer to its online help.

Configuring Your Receiver

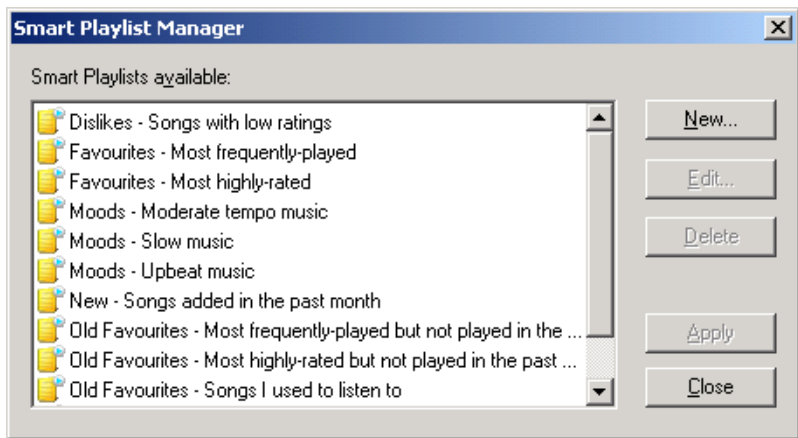
1. In Wireless Music Console, click the **Settings** button.
2. Click the **Receiver** tab.
3. Select a Receiver and click the **Edit** button.



4. Change the settings of your Receiver and click the **OK** button.

Creating Smart Playlists

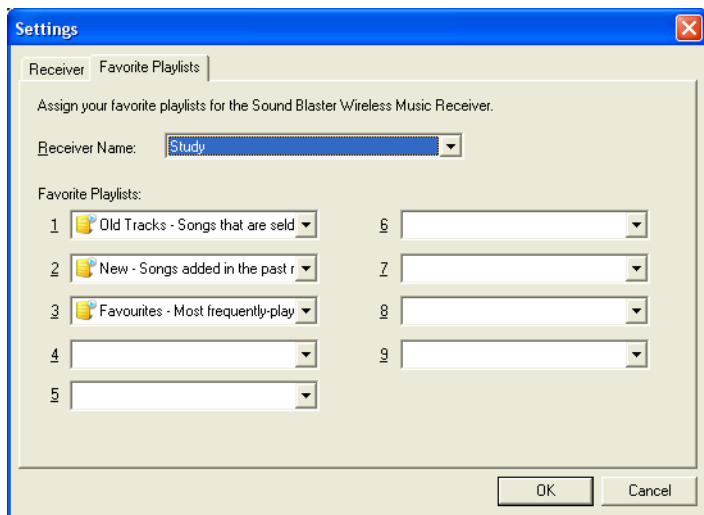
1. In Wireless Music Console, click the **Smart Playlist** button.
2. In the **Smart Playlist Manager** dialog box, click the **New** button.



3. In the **Smart Playlist Name** box, type in a name for your smart playlist.
4. Select your preferences and click the **OK** button.
5. To change settings of an existing smart playlist, select a smart playlist in the **Smart Playlist Manager** dialog box, and click the **Edit** button.

Assigning Favorite Playlists

1. In Wireless Music Console, click the **Settings** button.
2. Click the **Favorites Playlist** tab.
3. In each **Favorite Playlists** box, click the list box to select a playlist.



4. Click the **OK** button.



The first three **FAVORITES** buttons are preset with smart playlists for your convenience.

About Music Files

You can download music files from Internet music sites, or "rip" music files from audio CDs to your computer. However, you can only play back MP3 and WMA files with Sound Blaster Wireless Music.

MP3 and WMA files are music files that have lossy compression encoding, which means that some data is lost during compression. However, using standard sampling rates and bitrates will ensure that these music files retain much of their audio quality. The standard bitrate of most MP3 files is 128 Kbps, although some are set higher, at 160 or 192 Kbps. The standard bitrate for most WMA files is 64 Kbps. Higher bitrates will result in better audio quality, but file sizes will be larger as a consequence.

Downloading from the Internet

To get MP3 files from the Internet, use a search engine to locate sites with MP3 content. You can also try out these sites (web sites listed here are correct at the time of this document's release):

- NOMADWorld (www.NOMADworld.com)
- AMP3.com (www.amp3.com)
- SoundClick.com (www.soundclick.com)
- ArtistOne.com (www.artistone.com)
- Soundbuzz.com (www.soundbuzz.com)

Follow the instructions on the sites to download the music files to your computer.

"Ripping" Audio CDs

The first phase of "ripping" is extracting audio data (usually WAV files) from an audio CD. Encoding is the second phase, where the audio data is converted into MP3 or WMA files. To "rip" audio CDs, you will need a CD-ROM/DVD-ROM drive that can extract digital audio data, and a program such as Creative MediaSource that can extract and encode this data. With Creative MediaSource, you can "rip" most audio CDs, as well as organize and transfer these "ripped" files.

The time needed for a successful audio extraction depends on:

- CD-ROM/DVD-ROM drive speed
- defects, like scratches on the audio CD
- error-checking features on the CD-ROM/DVD-ROM drive

To rip an audio CD using Creative MediaSource

1. Insert an audio CD into your CD-ROM/DVD-ROM drive.
2. Click **Start** -> **Programs** or **All Programs** -> **Creative** -> **Creative MediaSource Player/Organizer**.
3. If you are not already in Creative MediaSource Organizer, click the **Player/Organizer View** button.
4. In the **Sources** window, select [**d:**] **Audio CD** (replace **d:** with your CD-ROM/DVD-ROM drive).
5. In the **Task** bar, click the **Rip Now** button.



For more information about using Creative MediaSource, refer to its online Help.

Frequently Asked Questions

This section covers common problems you might encounter or questions you might have while using this product. If you have a technical problem with this product, you may wish to consult our self-help tool “Knowledgebase” for online troubleshooting and solutions. Go to **www.creative.com** and select your region.

Installation and Configuration

What do I do when the installation does not start automatically after the Installation CD is inserted?

The AutoPlay feature in your Windows system may not be enabled.

To start the installation program through the My Computer shortcut menu

1. On your Windows desktop, double-click the **My Computer** icon.
2. Right-click the CD-ROM/DVD-ROM drive icon, and then click **AutoPlay**.
3. Follow the onscreen instructions.

To enable AutoPlay through Auto Insert Notification

1. Click **Start -> Settings -> Control Panel**.
2. Double-click the **System** icon. The **System Properties** dialog box appears.
3. Click the **Device Manager** tab and select your CD-ROM drive.
4. Click the **Properties** button.
5. Click the **Settings** tab, and then select **Auto Insert Notification**.

6. Click the **OK** button.

To start the installation program through Windows Explorer

1. In Windows Explorer, search and locate the **d:\ctrun** folder (replace **d:** with the drive letter of your CD-ROM/DVD-ROM drive).
2. Double-click the **ctrun.exe** file.

Why does a Hardware Installation error message appear on a Windows XP operating system during installation?

At the time of this product's release, Microsoft strongly encouraged companies to submit their hardware solutions for certification. If a hardware device driver is not submitted, or does not qualify, for Microsoft certification, a warning message similar to the one shown here, appears.



You may see the message when installing this driver. If you do, you may choose to click the **Continue Anyway** button. Creative has tested this driver on Windows XP, and it does not impair or destabilize your computer.

Why do I have to specify configuration settings during installation?

Although Sound Blaster Wireless Music is designed to be easy to install, configuration-free installation is only possible when:

- yours is the only wireless network operating in the vicinity
- your wireless router or access point is operating in default mode, where WEP encryption is disabled and beacon message is enabled

Why do I have problems connecting to my wireless network when I use an 802.11g router?

Your 802.11g router may be running on an older firmware version. Download and install the latest version of your router's firmware that provides full 802.11g compatibility. Contact your router's manufacturer for more information.

How do I know if my Receiver is connected to my wireless network?

The System menu on your RF Remote displays the IP address of your Receiver. The only difference between this IP address and the IP address of the computer that Wireless Music Media Server is running on, is the last

number. For example, the IP address of your Receiver can be 192.168.1.**100**, whilst the IP address of the computer that Wireless Music Media Server is running on is 192.168.1.**101**.

What do I do if my Receiver is not connected to my wireless network?

- Try moving your Receiver closer to your wireless router or access point, or vice versa
- Make sure your wireless router or access point is active and transmitting data
- Connect your Receiver to your computer and reconfigure your Receiver's connection settings using Wireless Music Network Setup. For more information, see "Step 2: Configure Hardware" on page 8.

How do I check the IP address of the computer that Wireless Music Media Server is running on?

Move the mouse over the **Wireless Music Media Server** icon  on your computer's Taskbar. A dialog box will appear showing the IP address of the computer. The Taskbar is usually located at the bottom right corner of your desktop.

How do I use a static IP for my Receiver?

1. Click **Start -> Programs or All Programs -> Creative -> Sound Blaster Wireless Music -> Network Setup**.

2. In the **Sound Blaster Wireless Music Network Setup — IP Settings** dialog box, click the **Use the following IP address** option.
3. In the **IP address** box, type in a value that matches the IP address of the computer that Wireless Music Media Server is running on except for the last number. For example, the IP address of your Receiver can be 192.168.1.**100**, whilst the IP address of the computer that Wireless Music Media Server is running on is 192.168.1.**101**.
4. In the **Subnet** box, type in a value that is identical to that of your wireless network.

Operation

My computer does not have an audio card. Will Sound Blaster Wireless Music work?

Yes, Sound Blaster Wireless Music does not require an audio card to work. However, you will not be able to preview tracks with Wireless Music Console on your computer.

Can I play back Internet streaming audio?

No. This feature is currently not supported.

Can I play back songs from audio CDs?

No, but you can rip songs from audio CDs into MP3 or WMA formats with Creative MediaSource™ Organizer. Creative MediaSource is installed on your computer when you install the software. For more information about ripping songs from audio CDs, see ""Ripping" Audio CDs" on page 40.

I cannot play back some of my MP3 and WMA files. Why is this?

Make sure that your MP3 and WMA files have not been moved since they were imported into Creative MediaSource.

Also, if your MP3 and WMA files are encoded using Digital Rights Management (DRM), they cannot be played back on your Sound Blaster Wireless Music.

After pressing the Play button on my RF Remote, the Play icon is displayed on the LCD but I do not hear anything. What do I do?

- Increase the volume using your RF Remote
- Increase the volume of your speakers or home stereo system
- Make sure your Receiver is connected to your speakers or home stereo system
- Make sure your speakers or home stereo system is turned on

What is the PC Music Library?

The PC Music Library is your collection of digital audio tracks in Creative MediaSource. In Creative MediaSource, you can have more than one PC Music Library. When sharing the same computer, multiple users can each have their own music library, each with its own settings. However, only one music library can be active at one time.

Can the PC Music Library be automatically updated?

Yes. You can use Creative MediaSource's Media Sniffer tool to monitor or 'watch' folders in your computer. With Media Sniffer enabled, the PC Music Library is updated when tracks in monitored folders are added, deleted or moved. This helps to prevent broken links in the PC Music Library. For more information about using Creative MediaSource, refer to its online help.

What do I do if my Receiver does not detect my music files?

- Go to the System menu on your RF Remote and check that your Receiver is connected to Wireless Music Media Server
- Make sure that music files have been imported using Creative MediaSource. You can check the System menu on your RF Remote for the number of tracks that have been imported.

How many Receivers can I use on a wireless network?

A wireless network can support up to four Receivers playing at the same time. Additional Receivers may be installed provided that not more than four are playing at the same time.

How do I reset my Receiver?

For normal operation, you only need to set your Receiver to standby using the RF Remote.

However, if you want to fully reset your Receiver, disconnect your Receiver from the power outlet and wait for a few seconds before reconnecting it to the power outlet.

Alternatively, use your RF Remote to reset your Receiver:

1. Press the **MENU** button.
2. Scroll to the **System** option and press the **Right ►** button or **OK** button.
3. Scroll to the **Reboot** option and press the **OK** button.

Can I search for tracks using my RF Remote?

Yes, you can search for tracks by artist, album and genre using your RF Remote. For more information, see "Playing Music" on page 28.

What do I do if my RF Remote does not display anything?

- Press the **Power** button on your RF Remote
- Make sure the batteries are not flat, and are properly inserted in your RF Remote
- Make sure you are using your RF Remote within 10 meters (33 feet) of your Receiver
- Make sure your Receiver is connected to a power outlet, and the power outlet is turned on if necessary

What do I do when the System menu on my RF Remote displays the "No Server" message?

- Make sure Wireless Music Media Server is running on your computer. To launch Wireless Music Media Server, click **Start -> Programs or All Programs -> Creative Wireless Music -> Media Server**. You will see the **Wireless Music Media Server** icon  on your computer's Taskbar when Wireless Music Media Server is running. The Taskbar is usually located at the bottom of your desktop.
- Make sure your computer and your Receiver are within transmission range of your wireless router or access point
- Make sure your Receiver is connected to the wireless network.
- If you are using a static IP address, make sure that there is no IP address conflict with another computer or device

If you the "No Server" message still appears after you have gone through the above checks, you can:

- Close and then launch Wireless Music Media Server
- Reset your Receiver. For more information, see "How do I reset my Receiver?" on page 48

How do I reset my RF Remote?

Remove your RF Remote's batteries, and then re-insert them.

Why does the LCD of my RF Remote go blank after a few seconds?

This is a power saving feature of your RF Remote. Pushing any button on the RF Remote will display the menu options on the LCD again. Note that pushing any of the blue buttons on the RF Remote will immediately activate the Receiver. For example, if you press the **Play** button, playback will start.

Why does nothing happen when I press a FAVORITES button on my RF Remote?

Check to see if the **FAVORITES** button you pressed is associated with a smart playlist that has conditions that are not met by any tracks. For example, no playlist will be played back if the smart playlist has a "Tracks added in last 30 days" condition and no tracks have been added during that period.

The first three **FAVORITES** buttons are preset with smart playlists for your convenience. You can manually reset all **FAVORITES** buttons using Wireless Music Console.

Why does music play when I press the Play button without selecting anything?

This feature is for your convenience. When nothing is selected and the **Play** button is pressed, the playlist assigned to the first **FAVORITES** button will be played back.

Why is there no beeping sound from my RF Remote when I press the FIND REMOTE button on my Receiver?

- Your RF Remote may be out of range.
- Your RF Remote's batteries may be flat

Speakers

What type of speakers should I use?

You can connect any amplified digital or analog 2 or 2.1 channel speaker system. For high-quality sound, we recommend the following Creative I-Trigue™ range of speakers:

- Creative I-Trigue 2.1 L3300
- Creative I-Trigue L3500
- Creative I-Trigue L3450

The availability of Creative speakers varies from country to country. Check **www.creative.com/speakers** or your local Creative office/distributor for details.

Can I listen to music in surround sound?

No, Sound Blaster Wireless Music only supports stereo output. However, some Creative speaker systems feature Creative Music Surround Sound (CMSS) that upmixes stereo input to 5.1 channels or above.

Updates

Where can I get more information on all Sound Blaster products?

Visit **www.soundblaster.com** for updates and downloads relating to all Sound Blaster products.

Maintenance and Safety Advice

Receiver and RF Remote

- Store away from direct sunlight.
- Do not expose to heat or fire.
- Avoid using or storing in surroundings that exceed 45°C (113°F).
- Keep away from excessive moisture.
- Do not subject to excessive force or impact.
- Do not modify or disassemble.
- Only clean the product with a soft dry cloth. Do not use liquid cleaners.
- Only qualified personnel should repair or service the product.
- Remember to set the volume at a moderate level. Listening to music at high volumes can impair your hearing and damage your speakers.

Batteries

- Store away from direct sunlight.
- Do not expose to heat or fire.
- Avoid using or storing in surroundings that exceed 45°C (113°F).
- Keep away from excessive moisture.
- Do not subject to excessive force or impact.
- Do not modify or disassemble.
- Avoid contact with metal objects.
- Do not pierce or crush.
- If there is leakage, stench, discoloration or deformation during charging or use, remove the battery and do not use it again. Clean your hands well before handling food or touching sensitive areas of your body, for example, your eyes.

Technical Specifications

Receiver

Standards

- ❑ IEEE 802.11b

Interface

- ❑ USB 1.1 port for Receiver installation and configuration
- ❑ Two RCA jacks for analog output
- ❑ Optical connector for optical SPDIF output

Antenna

- ❑ Built-in antenna (2.4 GHz)
- ❑ Built-in antenna (433 MHz — 924 MHz)

Frequency Band (802.11)

- ❑ 2.412 GHz — 2.472 GHz

Frequency Band (RF Remote)

- ❑ US (FCC): 906 MHz, 910 MHz, 917 MHz, 924 MHz
- ❑ Europe (CE): 433.3 MHz, 433.7 MHz, 434.1 MHz, 434.5 MHz

Data Rate

- ❑ 11, 5.5, 2, 1 Mbps

Channels

- ❑ 11 Channels (US, Canada), 13 Channels (Europe)

Security

- ❑ 64 or 128-bit WEP encryption

Range

- ❑ Indoors: Up to 50 meters (164 feet) at 11 Mbps, subject to the signal strength of your wireless network
- ❑ Outdoors: Up to 150 meters (492 feet) at 11 Mbps, subject to the signal strength of your wireless network

Playback Formats

- ❑ MPEG Audio Layer 3 (MP3) and Windows Media Audio (WMA)

Power Adapter

- ❑ 6VAC 1.5A adaptor

RF Remote

LCD

- ❑ 132 x 64 pixel backlit display

Antenna

- ❑ Built-in antenna (433 MHz — 924 MHz)

Frequency Band

- ❑ US (FCC): 906 MHz, 910 MHz, 917 MHz, 924 MHz
- ❑ Europe (CE): 433.3 MHz, 433.7 MHz, 434.1 MHz, 434.5 MHz

Range (between RF Remote and Receiver)

- ❑ Up to 10 meters (33 feet) based on open space usage

Power Requirements

- ❑ 3 AA batteries

Glossary

Ad-hoc mode

A small peer-to-peer network mode, in which wireless clients are connected to each other directly without using an access point. Some of the wireless clients are part of the network for a limited duration. They are also in close proximity with the rest of the network. According to the IEEE 802.11b specification, Ad-hoc mode is referred to as an independent basic service set.

Antenna

A device that intercepts radio frequency (RF) waves from the atmosphere and converts them to corresponding signal voltages.

Access Point (AP)

A networking device that transparently bridges wireless computers to a wired local network.

Bandwidth

A measure of the maximum rate of data transfer. A higher bandwidth allows more data transmission in a given period of time. For digital services, the bandwidth is usually expressed in bits or bytes per second.

BSS (Basic Service Set)

A group of wireless clients and an access point using the same ID (SSID).

DHCP (Dynamic Host Configuration Protocol)

A method of assigning a temporary IP address to a host, such as a computer, connected on a specific network. With dynamic addressing, a particular host may have a different IP address each time it connects to the network.

Dynamic IP address

See *DHCP (Dynamic Host Configuration Protocol)*.

Encryption

A procedure to convert a file from its original form to one that can be read only by the intended recipient.

IEEE 802.11

A family of wireless network standards, which includes 802.11a, 802.11b, 802.11e, and 802.11g. The original 802.11 standard was first approved in 1997 but was not very successful because it was relatively slow at 2 Mbps.

IEEE 802.11b

A high-bit wireless network standard that works on the 2.4 GHz band and utilizes DSSS (direct sequence spread spectrum) technology. It offers data bit rates of up to 11 Mbps and the range is from 200 to 300 feet for maximum speed.

IEEE 802.11g

A new 802.11 standard for wireless networking hardware. The 802.11g standard specifies a maximum data transfer rate of 54 Mbps, an operating frequency of 2.4 GHz, backward compatibility with 802.11b devices and WEP encryption for security.

Infrastructure mode

A LAN or other small network mode in which wireless clients are part of the network and use one or more access points to connect to a wired network. Each access point is connected to the Ethernet network using a standard Ethernet cable. In IEEE 802.11b specification, the infrastructure mode is referred to as the Basic Service Set.

IP (Internet Protocol)

The standard protocol within TCP/IP that defines the basic unit of information by breaking down data messages into packets, routing and transporting the packets over networks, then reassembling the packets at their destination. IP corresponds to the Network layer (layer 3) in the ISP/OSI model.

IP address

The address for a computer on a TCP/IP network. The IP address identifies a particular machine on a network. The format of an IP address is a 32-bit numeric address written as four numbers separated by periods. Each number can be 0 to 255, for example, 11.160.10.240 is an IP address. Any machine connected to the Internet is assigned an IP address.

LAN (Local Area Network)

A computer network that spans a relatively small area. Most LANs are confined to an office, single building, or group of buildings.

MAC (Media Access Control) address

A unique number that is assigned by manufacturers to each Ethernet network device. A MAC address lets a network identify Ethernet network devices at the hardware level.

Router

A hardware device that connects two separately functional networks using the same or different protocols. Routers look at the destination addresses on the packets passing through them and then decide which route to send them on.

SSID (Service Set Identity)

A group name shared by all members of an IEEE 802.11 standard wireless network. Only wireless devices with the same SSID are allowed to establish connections.

Static IP address

A permanent IP address assigned to a computer (host) connected on a specific network.

TCP/IP (Transmission Control Protocol/Internet Protocol)

A suite of communication protocols that are used by computers or networking devices on the Internet so that they can communicate with each other. TCP/IP uses several protocols, the two main being TCP and IP.

USB (Universal Serial Bus)

A plug-and-play interface that allows the user to attach a device without having to add an adapter card and turning off the computer.

WEP (Wired Equivalent Privacy)

A wired security policy defined by the IEEE 802.11 working group. WEP uses the RC-4 40-bit encryption algorithm to scramble all data before it is transmitted. Vendors add proprietary encryption features to their software, taking the encryption level up to 128 bits.

Wi-Fi

Wi-Fi is promoted by the Wireless Ethernet Compatibility Alliance (WECA). It places a stamp of certification on wireless products that are interoperable with other 802.11b compliant products.